



DEPARTMENT OF WATER RESOURCES  
EXAMINATION ANNOUNCEMENT



The Department of Water Resources offers Equal Opportunity for all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation.

It is an objective of the State of California to achieve a drug-free State workplace. Any applicant for State employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service and the special trust placed in public servants.

SENIOR ELECTRICAL ENGINEER, HYDRAULIC STRUCTURES  
OPEN STATEWIDE

FINAL FILING DATE	November 3, 2008
	Application forms (STD 678) must be <b>POSTMARKED</b> no later than the final filing date. Applications postmarked, personally delivered, faxed, or received via interoffice mail after the final filing date <b>will not be accepted for any reason</b> . <u>Faxed or photocopied applications must be followed by an application with an original signature in order to be accepted into the exam.</u>
WHO SHOULD APPLY	This is an open examination. Applications will not be accepted on a promotional basis. Career credits do not apply.
HOW TO APPLY	Examination Applications (Form STD 678) may be mailed or filed in person to:  <div>MAILING ADDRESS:Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001</div> <div>FILE IN PERSON:Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814</div> <b>DO NOT SEND APPLICATIONS TO THE STATE PERSONNEL BOARD OR DEPARTMENT OF WATER RESOURCES' FIELD OFFICES.</b> Applications are available at Department of Water Resources' (DWR) offices, the DWR website: <a href="http://www.water.ca.gov/jobs/currentexams">www.water.ca.gov/jobs/currentexams</a> , local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB website: <a href="http://www.spb.ca.gov/jobs">www.spb.ca.gov/jobs</a> .
IDENTIFICATION REQUIRED	Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.
SPECIAL TESTING ARRANGEMENTS	If you have a disability and need special testing arrangements, mark the appropriate box in Question 2 of the "Application for Examination". You will be contacted to make specific arrangements.
SALARY RANGE	\$7377 – 8965
ELIGIBLE LIST INFORMATION	An open eligible list will be established for the Department of Water Resources. The list will be abolished 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.
EXAMINATION DATES	The entire examination will consist of a Qualifications Appraisal Interview. It is anticipated interviews will be held during <b>December 2008</b> .
REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION	<b>NOTE:</b> All applicants must meet the minimum qualifications for this examination by the final filing date, <b>November 3, 2008</b> .  Qualifying experience may be combined on a proportionate basis if the requirements stated below include more than one pattern and are distinguished as " <b>Either</b> " I, " <b>or</b> " II, " <b>or</b> " III, <b>etc.</b> For example, candidates possessing qualifying experience amounting to 50% of the required time of Pattern I, and additional experience amounting to 50% of the required time of Pattern II, may be admitted to an examination as meeting 100% of the overall experience requirement.
MINIMUM QUALIFICATIONS	Possession of a valid certificate of registration as an Electrical Engineer issued by the California State Board of Registration for Professional Engineers. (Candidates who submit proof that they have applied for registration will be admitted to the examination, but must possess a valid certificate of registration to be eligible for appointment.) <b>and</b> <b>Experience:</b> Five years of professional electrical engineering experience, including at least two years in the design and construction of the electrical features of major hydraulic projects in a position of responsibility comparable to that of an Associate Engineer in the California state service. <b>and</b> <b>Education:</b> Equivalent to graduation from college with major work in engineering. (Additional qualifying experience may be substituted for the required education on a year-for-year basis.)

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

POSITION DESCRIPTION	<p>A Senior Electrical Engineer, Hydraulic Structures performs and supervises the performance of difficult electrical engineering work involved in the design and construction of the electrical features of hydroelectric and other hydraulic projects.</p> <p><i>Positions exist Statewide with the Department of Water Resources.</i></p>
EXAMINATION INFORMATION	<p>This examination will consist of a <b>Qualifications Appraisal Interview – Weighted 100.00%</b>. In order to obtain a position on the eligible list, a minimum rating of 70.00% must be attained in the interview. COMPETITORS WHO DO NOT APPEAR FOR THE INTERVIEW WILL BE DISQUALIFIED.</p>
SCOPE OF EXAMINATION	<p><b>Qualifications Appraisal Interview – Weighted 100.00%</b></p> <p>In addition to evaluating the competitors’ relative abilities as demonstrated by quality and breadth of experience, emphasis in the examining interview will be on measuring competitively, relative to job demands, each competitor’s:</p> <p><b>A. Knowledge of:</b></p> <ol style="list-style-type: none"><li>1. Principles and practices of electrical engineering.</li><li>2. Design of the electrical features for hydroelectric and other hydraulic projects, including electrical generating equipment, motors, high voltage transformation, distribution and switching systems, control, metering, signal, interior and exterior lighting and other electrical systems.</li><li>3. Principles of effective supervision and directing the work of others.</li><li>4. Codes and safety orders applicable to hydroelectric and other hydraulic projects, including electrical generating equipment, motors, high voltage transformation, distribution and switching systems, control, metering, signal, interior and exterior lighting and other electrical systems.</li><li>5. The Department's Equal Employment Opportunity program objectives.</li><li>6. A supervisor’s role in the Equal Employment Opportunity program and the processes available to meet Equal Employment Opportunity objectives.</li></ol> <p><b>B. Ability to:</b></p> <ol style="list-style-type: none"><li>1. Make field inspections and direct or inspect field construction operations.</li><li>2. Prepare technical specifications and make cost estimates for the electrical features of all types of hydroelectric and other hydraulic projects.</li><li>3. Direct the work of others.</li><li>4. Establish and maintain cooperative relations with those contacted in the work.</li><li>5. Analyze situations accurately and adopt an effective course of action.</li><li>6. Prepare reports and correspondence.</li><li>7. Effectively contribute to the Department’s Equal Employment Opportunity objectives.</li><li>8. Ascend and descend stairs as required for equipment access.</li></ol>
VETERANS PREFERENCE	<p><b>Veterans Preference Credit</b> is not granted in this examination, as it does not qualify as an entrance examination under the law.</p>

**GENERAL INFORMATION**

**The Department of Water Resources** reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.

**For any examination** without a written feature, it is the candidate's responsibility to contact the Selection Services Section of the Department of Water Resources, (916) 653-3921 three weeks after the final filing date if he/she has not received a progress notice.

**Applications** are available at Department of Water Resources’ (DWR) offices, the DWR website: [www.water.ca.gov/jobs/currentexams.cfm](http://www.water.ca.gov/jobs/currentexams.cfm), local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB web site: [www.spb.ca.gov/jobs](http://www.spb.ca.gov/jobs).

**If you meet the requirements** stated on the reverse, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. Your performance in the examination described on this bulletin will be compared with the performance of the others who take this test, and all candidates who pass will be ranked according to their scores.

**General Qualifications:** Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification.

**Examination Locations:** When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, qualifications appraisal interviews are scheduled in Sacramento and Los Angeles. However, locations of interviews may be limited or extended as conditions warrant.

**If a candidate’s notice** of oral interview fails to reach him/her prior to the day of the interview due to a verified postal error, he/she will be rescheduled upon written request.

**Eligible Lists:** Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) sub divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) service-wide promotional, 5) departmental open, 6) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged into the appropriate lists in order of final test scores (except as modified by veterans preference credits) regardless of the date of the test, and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.

**Devices for Communications Impairment**  
TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device. California Relay Telephone Service for the deaf or hearing-impaired: From TDD phones: 1-800-735-2929 (TDD); From Voice phones: 1-800-735-2922.

**For information** regarding this examination, please contact Michelle Hill at (916) 653-6330.  
**DP (Rev. 09/08)**

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